

Date: Tue, 24 Aug 93 04:30:12 PDT
From: Info-Hams Mailing List and Newsgroup <info-hams@ucsd.edu>
Errors-To: Info-Hams-Errors@UCSD.Edu
Reply-To: Info-Hams@UCSD.Edu
Precedence: Bulk
Subject: Info-Hams Digest V93 #1007
To: Info-Hams

Info-Hams Digest Tue, 24 Aug 93 Volume 93 : Issue 1007

Today's Topics:

 ARLX014 FAR scholarships picked
 ARLX015 Canadians to convene
 Control Operators
 Daily Solar Geophysical Data Broadcast for 23 August
 IC-24AT Undoc Features
Is there such thing as an omnidirectional antenna in 3 dimensions? (2 msgs)
 Need information on duplexers
 Test
 Time zone designators?
 Want Ten Tec OMNI elmer / help!

Send Replies or notes for publication to: <Info-Hams@UCSD.Edu>
Send subscription requests to: <Info-Hams-REQUEST@UCSD.Edu>
Problems you can't solve otherwise to brian@ucsd.edu.

Archives of past issues of the Info-Hams Digest are available
(by FTP only) from UCSD.Edu in directory "mailarchives/info-hams".

We trust that readers are intelligent enough to realize that all text
herein consists of personal comments and does not represent the official
policies or positions of any party. Your mileage may vary. So there.

Date: Tue, 24 Aug 1993 08:21:37 GMT
From: news.cerf.net!pagesat!spssig.spss.com!feenix.metronet.com!
marcbg@network.ucsd.edu
Subject: ARLX014 FAR scholarships picked
To: info-hams@ucsd.edu

SB SPCL @ ARL \$ARLX014
ARLX014 FAR scholarships picked

ZCZC AX23
QST de W1AW
Special Bulletin 14 ARLX014
>From ARRL Headquarters

Newington CT August 21, 1993
To all radio amateurs

SB SPCL ARL ARLX014
ARLX014 FAR scholarships picked

20-year-old Diane R. Magen, KG5CS, of Grand Forks, North Dakota, is
the top 1993 Foundation for Amateur Radio scholarship winner.

FAR on August 11 announced 49 winners, ranging from Diane's 2000 dollar(s) to
a number of 500 dollar(s) scholarships. The non-profit FAR administers
scholarships for organizations including the Quarter Century
Wireless Association, the Radio Club of America, the Young Ladies
Radio League, and a number of local and regional Amateur Radio
clubs.

Magen's award is the Rose Ellen Bills Memorial Scholarship; the
second-highest award, 1200, dollar(s) was the YLRL Scholarship, awarded to
19-year-old Diane M. Weldon, KA1NOJ, of Marlborough, Mass.

Information on FAR scholarships is available from FAR, 6903 Rhode
Island Ave., College Park MD 20740.

NNNN
/EX

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Marc B. Grant, N5MEI		marchbg@feenix.metronet.com		214/231-3998 (voice)
P.O Box 850472		marchbg@esy.com		214/231-0025 (fax)
Richardson, TX 75085				

Date: Tue, 24 Aug 1993 08:23:07 GMT
From: news.cerf.net!pagesat!spssig.spss.com!feenix.metronet.com!
marchbg@network.ucsd.edu
Subject: ARLX015 Canadians to convene
To: info-hams@ucsd.edu

SB SPCL @ ARL \$ARLX015
ARLX015 Canadians to convene

ZCZC AX24
QST de W1AW
Special Bulletin 15 ARLX015
>From ARRL Headquarters

Newington CT August 21, 1993
To all radio amateurs

SB SPCL ARL ARLX015
ARLX015 Canadians to convene

The Radio Amateurs of Canada have scheduled their first national convention for July 29-31, 1994, in Calgary, Alberta.

The RAC has issued a call for papers to be presented at the convention's technical symposium. Topics to be considered include HF, VHF, UHF, packet, AMTOR, RTTY, AMSAT, and EME.

Interested amateurs should submit by October 15 a proposal including title, introduction, and abstract. The first draft of papers will be due by March 1, 1994.

More information is available from G.W. Shand, VE6BLI, 55 - 51551 Range Road 212A, Sherwood Park AB T8B 1B2. (FAX) 403-438-4398.
NNNN
/EX

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Marc B. Grant, N5MEI		marchbg@feenix.metronet.com		214/231-3998 (voice)
P.O Box 850472		marchbg@esy.com		214/231-0025 (fax)
Richardson, TX 75085				

Date: 24 Aug 1993 05:26:00 GMT
From: usc!howland.reston.ans.net!spool.mu.edu!olivea!charnel!lker@network.ucsd.edu
Subject: Control Operators
To: info-hams@ucsd.edu

I have a question for people of the news group to answer.
What are your feelings on people under 18 years of age being a control operator for an average, generic repeater system (ie no autopatch, links, etc). What about a fully loaded repeater (ie with autopatch, reverse patch, message boxes, etc)?

There are several people trying to answer that very question. Several are for the idea and several are against.

History of repeater use:
ARES functions during times of disasters.
Community civic communication provided when asked for by

organizations.

- * General repeat function
- * Autopatch
- * Reverse patch (autopatch)
- * Signal report
- * Time
- * Message box
- * No links

I would like to here from both owners and users of repeaters alike.
This feedback will help in making the decision to give or not to give
people under the age of 18 control codes for the repeater system.

Any comments should be E-Mailed to (lker@ecst.csuchico.edu).
Thanks in advance for your response(s).

Lowell Voelker KC6SBJ
lker@ecst.csuchico.edu

Date: 24 Aug 93 03:58:34 GMT
From: news-mail-gateway@ucsd.edu
Subject: Daily Solar Geophysical Data Broadcast for 23 August
To: info-hams@ucsd.edu

!!BEGIN!! (1.0) S.T.D. Solar Geophysical Data Broadcast for DAY 235, 08/23/93
10.7 FLUX=092.8 90-AVG=103 SSN=053 BKI=2110 0210 BAI=002
BGND-XRAY=A7.5 FLU1=3.3E+06 FLU10=1.3E+04 PKI=3111 1211 PAI=005
 BOU-DEV=013,009,005,004,003,010,006,002 DEV-AVG=006 NT SWF=00:000
 XRAY-MAX= B3.1 @ 1406UT XRAY-MIN= A7.1 @ 0122UT XRAY-AVG= A9.5
NEUTN-MAX= +004% @ 0145UT NEUTN-MIN= -001% @ 1010UT NEUTN-AVG= +0.8%
 PCA-MAX= +0.1DB @ 1650UT PCA-MIN= -0.3DB @ 0225UT PCA-AVG= -0.0DB
BOUTF-MAX=55370NT @ 1400UT BOUTF-MIN=55341NT @ 1746UT BOUTF-AVG=55360NT
GOES7-MAX=P:+000NT@ 0000UT GOES7-MIN=N:+000NT@ 0000UT G7-AVG=+084,+000,+000
GOES6-MAX=P:+124NT@ 0524UT GOES6-MIN=N:-064NT@ 1810UT G6-AVG=+102,-003,-043
 FLUXFCST=STD:095,095,090;SESC:095,095,090 BAI/PAI-FCST=005,005,010/007,007,010
 KFCST=2223 2112 2223 2111 27DAY-AP=008,005 27DAY-KP=2112 2332 2221 1122
WARNINGS=
 ALERTS=**245STRM:0722-0917UTC
!!END-DATA!!

NOTE: The Effective Sunspot Number for 22 AUG 93 is not available.
The Full Kp Indices for 22 AUG 93 are not available.

Date: Wed, 18 Aug 93 22:05:00 -0500
From: news2.uunet.ca!uunet.ca!synapse!david.mercer@uunet.uu.net
Subject: IC-24AT Undoc Features
To: info-hams@ucsd.edu

***** Original To: ALL
* CARBON * was By: DAVID MERCER
* COPY * posted: On: SYNAPSE
***** Conf: 3203 - rec.radio.ama

Hi;

Does anybody know of any more undocumented features of the ICON IC-24AT.
I just found how to increase the number of receiveable frequencies, as
well as how to do dir freq entry of 10 and 100 MHz.

Anything else?

73 de VE3XMJ

cc: ALL in 3205 on SYNAPSE
 ALL in 3207 on SYNAPSE
 ALL in 438 on SYNAPSE

* RM 1.0 00644 * 73 de VE3XMJ (Dave Mercer) PGP Public key avail on request

Date: Wed, 18 Aug 1993 19:00:38 GMT
From: munnari.oz.au!spool.mu.edu!sdd.hp.com!col.hp.com!news.dtc.hp.com!srigenprp!
alanb@network.ucsd.edu
Subject: Is there such thing as an omnidirectional antenna in 3 dimensions?
To: info-hams@ucsd.edu

Dale Roberts (roberts@ishtar.med.jhu.edu) wrote:

: I'm looking for an antenna of some sort that I can use as an
: omnidirectional field strength indicator. We have a system that
: produces 3 orthogonal (at 90 degrees to one another) magnetic fields
: at 3 frequencies.

I assume what you want is an antenna that responds to magnetic fields
only. (Radio antennas respond to electromagnetic fields.)

How about 3 small loop antennas mounted perpendicular to each other?

Detect the output of each loop separately and combine the voltages (or currents) RMS fashion: $V(\text{total}) = \text{SQRT} (V1^2 + V2^2 + V3^2)$. That would give you the magnitude of the magnetic field, no matter what its orientation.

How to do the RMS sum? Use a diode detector in its square-law region. At low signal levels, any RF switching diode (connected as a detector) puts out a DC voltage proportional to the square of the input RF voltage. By summing the 3 outputs (from the 3 pickup loops), you get a signal proportional to the square of the total magnetic field.

AL N1AL

Date: Wed, 18 Aug 1993 21:47:44 GMT
From: munnari.oz.au!spool.mu.edu!olivea!apple.com!goofy.apple.com!
michael.apple.com!ems@network.ucsd.edu
Subject: Is there such thing as an omnidirectional antenna in 3 dimensions?
To: info-hams@ucsd.edu

In article <CByy53.AwA@srigenprp.sr.hp.com> alanb@sr.hp.com (Alan Bloom) writes:
>Dale Roberts (roberts@ishtar.med.jhu.edu) wrote:

>
>: I'm looking for an antenna of some sort that I can use as an
>: omnidirectional field strength indicator. We have a system that
>: produces 3 orthogonal (at 90 degrees to one another) magnetic fields
>: at 3 frequencies.
>
>I assume what you want is an antenna that responds to magnetic fields
>only. (Radio antennas respond to electromagnetic fields.)
>
>How about 3 small loop antennas mounted perpendicular to each other?

Um, er there is the neat antenna used on satellites prone to tumbling that has pretty good omni characteristics.. even so far as polarization too! It is called something like a QuadraFilar Helical Mumble or some such... Gack, where is my ARRL Antenna Handbook...

It looks kind of like someone took an egg beater and twisted it so that the 4 sides (hoops?) were spiraled by about 1/2 turn. Really geeky, but supposedly helps to avoid fading from a rotating tumbling satellite vs a fixed polarization ground antenna...

If you can't find a copy of the ARRL Antenna Handbook, I'll get more data from my copy at home.

--

E. Michael Smith ems@apple.COM

'Whatever you can do, or dream you can, begin it. Boldness has
genius, power and magic in it.' - Goethe

I am not responsible nor is anyone else. Everything is disclaimed.

Date: 18 Aug 93 21:09:25 EDT
From: psinntp!arrl.org@uunet.uu.net
Subject: Need information on duplexers
To: info-hams@ucsd.edu

In rec.radio.amateur.misc, no6b@merlin.JPL.NASA.GOV (Robert Dengler) writes:
>In article <CBy9x3.IGt@news.iastate.edu> jdwhite@iastate.edu (Jason White)
writes:
>> I would like to learn more about duplexers and how to maintain and
>>"configure" them. Any suggestions on where I might look for some good
>>information. I looked in the '92 Handbook, but all I found was a paragraph on
>>what duplexers were; nothing on how to maintain them.
>>
>
>Try the ARRL publication "FM & repeaters". Don't know how well they've been
>updating it recently but in the past it's been way out of date. However, there

This book is loooong out of print. You might contact manufacturers
and get their recommendations.

73, Jim, KR1S

--
jkearman@arrl.org

Date: Wed, 18 Aug 93 17:34:53 GMT
From: munnari.oz.au!spool.mu.edu!news.clark.edu!netnews.nwnet.net!serval!
news@network.ucsd.edu
Subject: Test
To: info-hams@ucsd.edu

Sorry. It's a test.

Date: Tue, 24 Aug 93 07:14:52 GMT

From: dog.ee.lbl.gov!overload.lbl.gov!agate!howland.reston.ans.net!wupost!waikato!
comp.vuw.ac.nz!actrix.gen.nz!lancea.actrix.gen.nz!lance@network.ucsd.edu
Subject: Time zone designators?
To: info-hams@ucsd.edu

Can someone please tell me the 2,3 or 4 letter time-zone designators
used in the following places: Hawaii, Western Samoa and Fiji? Note
that I want the designators that the local people use, not those
only used by techno-types.

I'm sure there was a file available by FTP, but I've lost the info.

Thanks.

--
----- Email: lance@lancea.actrix.gen.nz
///// ZL2AJH Wellington, New Zealand

Date: 24 Aug 93 10:20:52
From: usc!howland.reston.ans.net!agate!doc.ic.ac.uk!uknet!ukc!eagle.ukc.ac.uk!
ali@network.ucsd.edu
Subject: Want Ten Tec OMNI elmer / help!
To: info-hams@ucsd.edu

In article <9308221339.aa19492@Paris.ics.uci.edu> turner@safety.ICS.UCI.EDU (Clark
Savage Turner WA3JPG) writes:

>I have an OMNI-D series C.
>I have 50 db less receive on ONE band only. 160 meters is
>way down, all the other bands seem OK.

The radio is probably working to specification, it is the preselector
design which is imperfect. Ten Tec try to cover 160 through 10 M with
a pair of capacitively top-coupled tuned circuits. This is asking too
much when they only switch padders across the coils and keep the
coupling cap fixed. As I recall it is 10 pf, but anyway it is too
small on 160. I increased mine somewhat (about twice as much), but you
sacrifice selectivity on HF as a result.

Reaching said capacitor involves dismantling the whole preselector
assembly. It is 'character building', as they say.

Alan G3XAQ.

Date: Mon, 23 Aug 1993 20:00:26 GMT
From: portal!lhaven.UUmh.Ab.Ca!combdyn!lawrence@uunet.uu.net

To: info-hams@ucsd.edu

References <1993Aug18.185159.9736@pixar.com>, <6501@cruzio.santa-cruz.ca.us>,
<2536mk\$jl原因@charm.magnus.acs.ohio-state.edu>

Subject : Re: A strange thing that happens when you are learning code

In article <2536mk\$jl原因@charm.magnus.acs.ohio-state.edu> jmilhoan@magnus.acs.ohio-state.edu (JT) writes:

>In article <6501@cruzio.santa-cruz.ca.us> brettb@cruzio.santa-cruz.ca.us writes:

>>Believe it or not, I've experience the same kind of thing as a no-code

>>tech. After six hours of hypercard programming, I've gotten out on

>>the highway (Highway 1 in this case) and all the cars rolling by

>>looked like Icons...tunnel vision and all. They even made those

>>funny little beeping sounds...now my insurance rates will probably

>>go up again!

>

>A few years ago I spent my 3 weeks of Christmas break telnetting to a

>particular muck for approximately 18 hours/day. I DREAMED in TEXT!

>Command line and all! The results of my actions (which were commands

>I had to issue) were more paragraphs of text I had to read. Very odd.

>

>JT

I always have this problem with things. When Lemmings first came out, I
played that for hours one weekend, next I was seeing Lemmings in my sleep.

Then I got addicted to MineSweeper, so I was doing that in my sleep. I always
see C code everywhere I look.....there's no getting away from that.

I can hardly wait for me to start learning CW.....8-)

--

--EMAIL-----PHONE-----FAX-----

| WORK: lawrence@combdyn.com | (403)529-2162 | (403)529-2516 | CallSign

| HOME: dreamer@lhaven.uumh.ab.ca | (403)526-6019 | (403)529-5102 | VE6LKC

disclamer = (working_for && !representing) + (Combustion Dynamics Ltd.);

End of Info-Hams Digest V93 #1007
